

WHAT IS CLAIMED IS:

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~~1. A system for electronic data entry, comprising:
an electronic reading device, including:
an optical detector for detecting a portion
of a predefined address pattern on a specially
formatted surface to the electronic reading device;
and
a transmitter for transmitting data
relating to the detected portion of the predefined
address pattern;
a separate electronic device for receiving the
transmitted data and for performing a function
corresponding to an area of the predefined address pattern
that includes the detected portion of the address pattern.~~

1 2. The system of claim 1, wherein the transmitter
2 comprises a cable.

1 3. The system of claim 1, wherein the transmitter
2 transmits information via a local wireless link.

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1 4. The system of claim 3, wherein the local
2 wireless link comprises a Bluetooth radio interface.

1 5. The system of claim 1, wherein the separate
2 electronic device is selected from the group consisting of
3 a mobile phone, a personal digital assistant, a
4 television, and a personal computer.

1 6. The system of claim 5, wherein the function
2 comprises manipulating at least one setting for the
3 separate electronic device.

1 7. The system of claim 5, wherein the function
2 comprises navigating an options menu for the separate
3 electronic device.

1 8. The system of claim 7, wherein a display on the
2 separate electronic device displays at least a portion of
3 the options menu.

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1 9. The system of claim 1, wherein the optical
2 detector detects a plurality of locations on the
3 predefined address pattern corresponding to at least one
4 image formed by the electronic reading device on the
5 specially formatted surface, the transmitter transmits
6 data relating to the plurality of detected locations, and
7 the separate electronic device receives the transmitted
8 data and uses the received data in performing the
9 function.

1 10. The system of claim 9, wherein the at least one
2 image comprises at least one handwritten character.

1 11. The system of claim 9, wherein the separate
2 electronic device comprises a mobile phone.

1 12. The system of claim 11, wherein the mobile phone
2 converts the received data into one of a short message
3 service (SMS) message, a telefax, and an electronic mail.

1 13. The system of claim 11, wherein the at least one
2 image comprises a handwritten telephone number, the mobile
3 phone operating to dial the telephone number.

1 14. The system of claim 8, wherein the specially
2 formatted surface comprises a calendar manipulation form,
3 the separate electronic device converting the received
4 data into data for entry in a calendar stored in the
5 separate electronic device.

1 15. The system of claim 8, wherein the specially
2 formatted surface comprises an email form, the separate
3 electronic device operating to convert the received data
4 into an email for transmission by the separate electronic
5 device.

1 16. The system of claim 8, wherein the specially
2 formatted surface comprises a phonebook manipulation form,
3 the separate electronic device converting the received
4 data into data for entry in a phonebook stored in the
5 separate electronic device.

1 17. The system of claim 8, wherein the separate
2 electronic device stores the received data in the form of
3 a graphical image.

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1 18. The system of claim 8, wherein the separate
2 electronic device converts the received data into text.

1 19. The system of claim 8, wherein the specially
2 formatted surface comprises a task list manipulation form,
3 the separate electronic device converting the received
4 data into data for entry in a task list stored in the
5 separate electronic device.

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1 20. A method for data entry using an electronic
2 reading device, comprising the steps of:
3 detecting at least one position of an electronic
4 reading device relative to a predefined address pattern on
5 a specially formatted surface;
6 transmitting data relating to the at least one
7 detected position;
8 receiving the transmitted data; and
9 performing an operation using the received data,
10 said operation corresponding to an area that contains the
11 at least one detected position.

1 21. The method of claim 20, wherein the operation
2 comprises manipulating settings for a mobile device.

1 22. The method of claim 20, wherein the operation
2 comprises navigating in an options menu of a mobile phone.

1 23. The method of claim 20, wherein the operation
2 comprises entering data corresponding to the at least one
3 detected position in an electronic calendar.

1 24. The method of claim 20, wherein the operation
2 comprises converting the at least one detected position
3 into a short message service (SMS) message.

1 25. The method of claim 20, wherein the at least one
2 detected position corresponds to a handwritten telephone
3 number, the operation comprising converting the at least
4 one detected position into the telephone number.

1 26. The method of claim 20, wherein the operation
2 comprises converting the at least one detected position
3 into an email message.

1 27. The method of claim 20, wherein the operation
2 comprises entering data corresponding to the at least one
3 detected position in an electronic phone book.

1 28. The method claim 20, wherein the at least one
2 detected position corresponds to handwritten information,
3 the operation comprising saving the information in a
4 memory.

1 29. The method of claim 20, wherein the operation
2 comprises entering data corresponding to the at least one
3 detected position in an electronically stored task list.

1 30. The method of claim 20, wherein the step of
2 transmitting data relating to the at least one detected
3 position comprises transmitting the data via a local
4 wireless link.

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1 31. An electronic data entry system, comprising:
2 a formatted paper having printed thereon a
3 predefined address pattern;
4 an electronic reading device for detecting
5 portions of the predefined address pattern and relaying
6 information relating to the detected portions of the
7 predefined address pattern; and
8 a mobile phone for receiving the relayed
9 information, wherein a user of the mobile phone can
10 utilize the relayed information to execute a function
11 within the mobile phone.

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1 ~~32.~~ A method of using an electronic reading device,
2 comprising the steps of:
3 detecting information written with an electronic
4 reading device on formatted paper that includes a
5 predefined address pattern;
6 relaying the detected information to a mobile
7 phone; and
8 utilizing the relayed information to execute a
9 function within the mobile phone.

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